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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,860	11/19/2003	Dennis L. Zoeckler	GP-303930 (2760/125)	6802

7590 11/08/2006
General Motors Corporation
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EXAMINER

GESESSE, TILAHUN

ART UNIT	PAPER NUMBER
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2618

DATE MAILED: 11/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/716,860

Applicant(s)

ZOECKLER, DENNIS L.

Examiner

Tilahun B. Gesessee

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 and 11-20 is/are rejected.
- 7) ☒ Claim(s) 9 and 10 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-8,11-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wajs , Andrew EP 1094667A1) in view of Frantz (US 6,904,264).

Claim 1, Wajs teaches a method for providing subscription service expiration notification a radio device (see abstract and fig.1) comprising

Wajs teaches determining a radio subscription service expiration notice communicating the subscription service expiration notice to a radio receiver storing a received expiration notice at the radio receiver, (see col.3, line 4-57 and fig.1).

Wajs teaches providing the stored expiration notice to a user (see col. 3,lines 10-21 and col. 4, lines 14-32) in which if the specific entitlement is not received before the expiry date , the terminal equipment is disconnected.

Wajs does not expressly teach a mobile digital radio. However, Frantz teaches a mobile radio that shows automatic expiration of wireless communication service subscription (see col. 3, line 12-col.4, line 3 and fig.1).

Both Wajs and Frantz teach subscription radio broadcast technique, then, it

Art Unit: 2618

would have been obvious to an ordinary skill in the art at the time of the invention to terminate service subscription of mobile digital radio , in Wajs system , as evidenced by Frantz, since digital radio is better improve quality and less noise as compared with AM and FM radio.

Claim 2, Wajs teaches activating the digital radio receiver responsive to receiving the expiration notice (see col. 2 line 53-col.3, lines 26).

Claim 3, Wajs teaches deactivating the digital radio receiver based on the expiration notice see col. 3,lines 10-21).

Claim 4, Wajs teaches determining a radio subscription notice comprises receiving subscription service enrollment data associating the enrollment data with a unique radio identification code (col.4, lines 14-33).

Wajs teaches defining a radio subscription service expiration date based on the enrollment data and the unique radio identification code (see col.3, lines 4-56).

Claim 5, Wajs teaches the enrollment data is selected from the group comprising of: customer billing data and subscription service data see col.3, lines 4-56).

Claim 6, Wajs teaches providing the subscription notice to a satellite broadcasting system, transmitting the subscription notice to the radio receiver via the satellite broadcasting system, and receiving the subscription notice at the radio receiver (see col.2, lines 23-57 and fig.1).

Claim 7, Wajs teaches the subscription notice is provided to the broadcast system responsive to a determination that a subscription service associated with

Art Unit: 2618

a unique digital radio receiver has been renewed (see col. 1, lines 48-col.2, line 23).

Claim 8, Wajs teaches determining if updated expiration notice data has been received and storing the updated expiration notice data responsive to a determination that the expiration notice data is updated (see col.3, lines 38-57).

Claim 11, Wajs teaches determining a radio subscription service expiration notice communicating the subscription service expiration notice to a radio receiver storing a received expiration notice at the radio receiver, (see col.3, line 4-57 and fig.1).

Wajs teaches providing the stored expiration notice to a user (see col. 3, lines 10-21 and col. 4, lines 14-32) in which if the specific entitlement is not received before the expiry date , the terminal equipment is disconnected.

Wajs does not expressly teach a mobile digital radio. However, Frantz teaches a mobile radio that shows automatic expiration of wireless communication service subscription (see col. 3, line 12-col.4, line 3 and fig.1). Both Wajs and Frantz teach subscription radio broadcast technique, then, it would have been obvious to an ordinary skill in the art at the time of the invention to terminate service subscription of mobile digital radio , in Wajs system , as evidenced by Frantz, since digital radio is better improve quality and less noise as compared with AM and FM radio.

Wajs teaches the above monitoring activities of entitlement management message (EMM) using program encoded in computer readable medium.

Art Unit: 2618

Claim 12, Wajs teaches activating the digital radio receiver responsive to receiving the expiration notice (see col. 2 line 53-col.3, lines 26). Wajs teaches the above monitoring activities of entitlement management message (EMM) using program encoded in computer readable medium.

Claim 13. Wajs teaches deactivating the digital radio receiver based on the expiration notice see col. 3, lines 10-21 and col.4, lines 2-13). Wajs teaches the above monitoring activities of entitlement management message (EMM) using program encoded in computer readable medium.

Claim 14. Wajs teaches determining a radio subscription notice comprises receiving subscription service enrollment data associating the enrollment data with a unique radio identification code (col.4, lines 14-33). Wajs teaches defining a radio subscription service expiration date based on the enrollment data and the unique radio identification code (see col.3, lines 4-56). Wajs teaches the above monitoring activities of entitlement management message (EMM) using program encoded in computer readable medium.

Claim 15. Wajs teaches the enrollment data is selected from the group comprising of: customer billing data and subscription service data see col.3, lines 4-56). Wajs teaches the above monitoring activities of entitlement management message (EMM) using program encoded in computer readable medium.

Art Unit: 2618

Claim 16, Wajs teaches providing the subscription notice to a satellite broadcasting system, transmitting the subscription notice to the radio receiver via the satellite broadcasting system, and receiving the subscription notice at the radio receiver (see col.2, lines 23-57 and fig.1). Wajs teaches the above monitoring activities of entitlement management message (EMM) using program encoded in computer readable medium.

Claim 17, Wajs teaches the subscription notice is provided to the broadcast system responsive to a determination that a subscription service associated with a unique digital radio receiver has been renewed (see col. 1, lines 48-col.2, line 23).

Claim 18. Wajs teaches a system for providing subscription service expiration notification a radio device (see abstract and fig.1) comprising

Wajs teaches means for determining a radio subscription service expiration notice communicating the subscription service expiration notice to a radio receiver storing a received expiration notice at the radio receiver, (see col.3, line 4-57 and fig.1).

Wajs teaches means for storing expiration notice to a user (see col. 3, lines 10-21 and col. 4, lines 14-32) in which if the specific entitlement is not received before the expiry date , the terminal equipment is disconnected.

Wajs does not expressly teach a mobile digital radio. However, Frantz teaches a mobile radio that shows automatic expiration of wireless communication service subscription (see col. 3, line 12-col.4, line 3 and fig.1).

Art Unit: 2618

Both Wajs and Frantz teach subscription radio broadcast technique, then, it would have been obvious to an ordinary skill in the art at the time of the invention to terminate service subscription of mobile digital radio, in Wajs system , as evidenced by Frantz, since digital radio is better improve quality and less noise as compared with AM and FM radio.

Claim 19, Wajs teaches activating the digital radio receiver responsive to receiving the expiration notice (see col. 2 line 53-col.3, lines 26).

Claim 20. Wajs teaches deactivating the digital radio receiver based on the expiration notice see col. 3,lines 10-21 col.4, lines 2-13).

Allowable Subject Matter

3. Claims 9-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: Wajs and Frantz do not teach providing a subscription service expiration date to a display device and providing the expiration notice to a user comprises providing a subscription service expiration date to a voice synthesis device.

Art Unit: 2618

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flexible schedule.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on 571-272-7899.

The Central FAX Number is 571-273-8300. For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TG

10/526/06


TILAHUN GESESSE
PRIMARY EXAMINER